

Abstract

The invention relates to a multilayer ceramic component comprising a stack of alternating ceramic layers and copper-containing electrode layers that serve as internal electrodes, which are connected to external contacts, and to methods for producing said component. According to the invention the external contacts contain metallic copper, wherein in the boundary region that lies adjacent to the boundary surface between the external contacts and the ceramic layers, the external contacts are not oxidized and the material of the ceramic layers is not reduced, and wherein the bonding strength of the external contacts on the stack exceeds a level of 50 N. According to the invention, the debinding is conducted at a comparatively low temperature of max 300° C in a moist nitrogen atmosphere.